

Date: Wed, 16 Feb 94 04:30:24 PST
From: Ham-Equip Mailing List and Newsgroup <ham-equip@ucsd.edu>
Errors-To: Ham-Equip-Errors@UCSD.Edu
Reply-To: Ham-Equip@UCSD.Edu
Precedence: Bulk
Subject: Ham-Equip Digest V94 #34
To: Ham-Equip

Ham-Equip Digest Wed, 16 Feb 94 Volume 94 : Issue 34

Today's Topics:

 Announcement - New Maillist
Experience with Ray-O-Vac "Renewal" batteries - disappointment (3 msgs)
 general advice for new stereo
 HT Recs out there? (TH78A)
 Looking for LOGIKEY keyer
 Looking for PC Hardware
 Needed: 440MHZ plug for Bird Wattmeter (2 msgs)
 Pkt satellite receiver card for PC?
 Remote cable for TM732
 rotator ???
 th77a

Send Replies or notes for publication to: <Ham-Equip@UCSD.Edu>
Send subscription requests to: <Ham-Equip-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Equip Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-equip".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 15 Feb 1994 15:35:41 GMT
From: gulfaero.com!vixen.cso.uiuc.edu!howland.reston.ans.net!
europa.eng.gtefsd.com!paladin.american.edu!zombie.ncsc.mil!cs.umd.edu!
news.gsfc.nasa.gov!gc@network.ucsd.edu
Subject: Announcement - New Maillist
To: ham-equip@ucsd.edu

 Announcement
 VSS: Vintage Solid-State Maillist

Purpose of the list

The Vintage Solid-State (VSS) maillist is for the discussion of older solid-state communications equipment that is of interest to the radio amateur and other experimenters.

This equipment includes test equipment (signal generators, oscilloscopes,...), receivers, transmitters and accessories built in the 1960's and 1970's. Manufacturers of interest include Hewlett-Packard, Tektronix, Motorola, Racal, Heathkit, National, Atlas, Drake and others.

Discussion will cover what's available, recent prices, what to look for, what's good and what's not, maintenance and restoration, where to find documentation, etc.

List maintenance

The VSS maillist is managed by an automatic list processor. Each list member is responsible for sending appropriate subscribe/unsubscribe commands to the list processor to add his/her name to the list.

Subscribing

Send an Email message to the list processor at: vss-request@acm.org

In the body of the Email include the message:

```
subscribe vss insert_your_name_here
```

The address of the user sending the message will be added to the list. Include your name as the third parameter, format is not critical.

Unsubscribing

Send Email to the list processor at: vss-request@acm.org

In the body of the Email include the message:

```
unsubscribe vss
```

This mail message must be sent from the account receiving mail from the list.

List owner

If you have problems or questions you may send Email to the list owner at: chatters@acm.org

Date: Mon, 14 Feb 1994 16:27:51 GMT
From: ariel.ucs.unimelb.EDU.AU!werple.apana.org.au!zikzak.apana.org.au!
harbinger.cc.monash.edu.au!yeshua.marcam.com!siemens!news.ecn.bgu.edu!
usenet.ins.cwru.edu!nshore!seastar!@munniari.oz.au
Subject: Experience with Ray-O-Vac "Renewal" batteries - disappointment
To: ham-equip@ucsd.edu

As quoted from <dgfCL6L1t.Mx1@netcom.com> by dgf@netcom.com (David Feldman):

> I purchased four "D" cells and their recharger. My application requires
> 6VDC at about 5 amps continuous. When new, the cells decreased from 6V
> (series connected) output to about 4V output rather linearly during about
> 30 minutes of loading. I recharged the cells as directed, and repeated the
> usage. After only 15 charge/discharge cycles, the battery reached 4V output
> after only 5 minutes of usage (again, a linear time/voltage discharge).
> I looked for one "weak" cell in the string, but each cell was similar to
> the others at any given point in time. I tried this test only on one set of
> 4 cells purchased at the same time from a local retailer.

5 amps continuous?!? That's one helluva draw! These cells
have a fairly high internal resistance (like regular alkalines), and
at that draw they just plain won't work worth squat. They will work
best in situations that draw about 100mah average or so (maybe a
little more, and maybe less for the AA cells).

Use them in situations where you would usually use an alkaline
cell (and expect *that* to work well). We use them in an HT that's on
a lot, monitoring probably 8 hours per day and talking (medium or low
power) for maybe 5 minutes per day, and they last us probably a week
or so. Nicads *sometimes* lasted the whole day. Alkalines last even
longer, but get expensive fast. The deep-cycle 105AH Marine battery
lasts a very long time but is somewhat less portable ;-)

>

--

When I die, they'll bury me
in the Tomb of the Unknown Hacker.

John Welch, N9JZW
jjw@seastar.org

Date: Tue, 15 Feb 1994 15:56:08 GMT
From: gulfaero.com!vixen.cso.uiuc.edu!howland.reston.ans.net!usenet.ins.cwru.edu!
eff!news.kei.com!yeshua.marcam.com!zip.eecs.umich.edu!umn.edu!rabbit.cccs.umn.edu!
RWH@network.ucsd.edu
Subject: Experience with Ray-O-Vac "Renewal" batteries - disappointment
To: ham-equip@ucsd.edu

In article <seldon.761238800@pv6624.vincent.iastate.edu> seldon@iastate.edu ()

writes:

>From: seldon@iastate.edu ()
>Subject: Re: Experience with Ray-O-Vac "Renewal" batteries - disappointment
>Date: 14 Feb 94 15:13:20 GMT

>In <dgfCL6L1t.Mx1@netcom.com> dgf@netcom.com (David Feldman) writes:

>...<stuff deleted>...

>>I have not tried the other size cells. I'm posting this here because this test
>>was a pre-cursor to use in some ham (ATV portable) applications where I needed
>>higher energy storage density by weight but did not need numerous recharge
>>cycles (compared to NiCads). I believe they are not suitable for this
>>application based on my test.

>>Comments? 73 Dave WB0GAZ

>You could always try the same test with 8 batteries in a series parallel
>configuration. This should reduce the current drain on each individual
>battery, and still provide you with 6 volts.

For what its worth, the spec sheets showed up from Ray-O-Vac today and it shows a capacity of 5.5AH for the initial charge and 90AH over a 25 cycle life.

--rick

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+-----+
| Richard Hoffbeck, Sr Analyst          e-mail: rwh@cccs.umn.edu |
| Prostate, Lung, Colorectal & Ovarian  cis: 72406,521      |
| Cancer Screening Trial                 voice: (612) 627-4151   |
| University of Minnesota               fax: (612) 627-4158   |
| 212 Ontario St SE, Suite 202          |
| Minneapolis, MN 55414                 |
+-----+
```

Date: Tue, 15 Feb 1994 15:52:44 GMT
From: gulfaero.com!vixen.cso.uiuc.edu!howland.reston.ans.net!wupost!csus.edu!
netcom.com!dgf@network.ucsd.edu
Subject: Experience with Ray-O-Vac "Renewal" batteries - disappointment
To: ham-equip@ucsd.edu

In article <CL832F.1M4@seastar.org> jjw@seastar.org (John Welch) writes:
>As quoted from <dgfCL6L1t.Mx1@netcom.com> by dgf@netcom.com (David Feldman):
>

>> I purchased four "D" cells and their recharger. My application requires
>> 6VDC at about 5 amps continuous. When new, the cells decreased from 6V
>
> 5 amps continuous?!? That's one helluva draw! These cells
> have a fairly high internal resistance (like regular alkalines), and
> at that draw they just plain won't work worth squat. They will work
> best in situations that draw about 100mah average or so (maybe a
> little more, and maybe less for the AA cells).

* OK OK OK OK * I stand corrected, informed, and generally a better form
of life than I was when I first posted the item. I did not realize that
this was the nature of Alkaline cells, and the four cells I tested have
been relegated to a flashlight where they are basically happy. Live & Learn!
73! Dave WB0GAZ dgf@netcom.com

Date: 9 Feb 1994 19:35:20 GMT
From: agate!howland.reston.ans.net!noc.near.net!transfer.stratus.com!
hoop.sw.stratus.com!northup@network.ucsd.edu
Subject: general advice for new stereo
To: ham-equip@ucsd.edu

You should try rec.audio and rec.audio.high-end - you will get better
information there. Amateur radio is not know for high quality audio.

jlh@rio.mitre.org (Jean L. Henchey) writes:
: I'm looking to purchase a new stereo and I was wondering if you might
: provide some insight and advice. Any help would be greatly appreciated!
:
: I would like a stereo with excellent sound quality for classical and
: rock music. I would like 2 tape drives and a 1+ CD platter for
: continuous play. Friends have tried to encourage me towards getting
: surround sound, but that raises the price even more.
:
: What are some good name brands? Where are the best stores to shop for
: whole systems and components? Is surround sound worth it?
:
: Thank you in advance,
:
: Jean Henchey
: jlh@linus.mitre.org

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Bill Northup
Stratus Computer Inc.

PHONE: (508) 460-2085
INTERNET: northup@sw.stratus.com

55 Fairbanks Boulevard
Marlboro, MA 01752

OR: northup@Vos.Stratus.com
Amateur Radio: n1qpr

Date: Tue, 15 Feb 1994 14:55:25 GMT
From: gulfaero.com!vixen.cso.uiuc.edu!howland.reston.ans.net!cs.utexas.edu!
gerald@cc.utexas.edu!portal.austin.ibm.com!awdprime.austin.ibm.com!
blood@network.ucsd.edu
Subject: HT Recs out there? (TH78A)
To: ham-equip@ucsd.edu

A comment on the TH78A. I think it is a great radio with the following exceptions:

- 1: Cannot be used on external antenna on 2M due to horrrific intermod problems.
- 2: The battery release latch will occasionally trip when wearing on your belt, resulting in an unplanned battery drop test.

Date: Sun, 13 Feb 94 08:23:45 GMT
From: agate!howland.reston.ans.net!pipex!uknet!EU.net!sun4nl!bsoatr!bsdihi!
dihi@ames.arpa
Subject: Looking for LOGIKEY keyer
To: ham-equip@ucsd.edu

The Superkeyer II is the best value for money you can get
Service after order is perfect. Got my kit in 10 days time in Holland.
I have a great time using te keyer.

Dick Hissink PA3DSP
Email:dihi@bsdihi.atr.bso.nl

Date: 16 Feb 1994 09:09:27 GMT
From: agate!usenet.ins.cwru.edu!howland.reston.ans.net!math.ohio-state.edu!
jussieu.fr!univ-lille1.fr!lifl!tpdesspa@network.ucsd.edu
Subject: Looking for PC Hardware
To: ham-equip@ucsd.edu

HI ! I'm looking for PC Hardware to communicate by radio.

I'm specially searching for low radio power cards (e.g. 100 mW),
because I want LOCAL COMMUNICATIONS.

And I'm deseperate!

I only found 2 pieces of hardware: NCR / AT&T WaveLAN and TxCOM .

Pliiiiiiiiiiiiize could you send me informations about differents products
AND / OR where to get informations about them.

THAAANNNNNNNKKKKKKKKK YYYYYYOU !
C U SOON.

Date: Tue, 15 Feb 1994 17:01:55 GMT
From: agate!howland.reston.ans.net!europa.eng.gtefsd.com!emory!wa4mei.ping.com!
ke4zv!gary@network.ucsd.edu
Subject: Needed: 440MHZ plug for Bird Wattmeter
To: ham-equip@ucsd.edu

In article <1994Feb11.233844.1@rosevc.rose-hulman.edu> pettitda@rosevc.rose-
hulman.edu writes:
>Does anyone have or know where I can get a 440 MHz plug for the Bird wattmeter?

Bird is a good source. :-)

Dielectric Corp slugs will work too, and may be more available, or
cheaper. Most of the major two way and ham suppliers list slugs in
their catalogs.

Gary

--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

Date: 15 Feb 94 06:57:19 GMT
From: ariel.ucs.unimelb.EDU.AU!werple.apana.org.au!zikzak.apana.org.au!
harbinger.cc.monash.edu.au!yeshua.marcam.com!usc!howland.reston.ans.net!
noc.near.net!news.delphi.com!BIX@munnnari.oz.au
Subject: Needed: 440MHZ plug for Bird Wattmeter
To: ham-equip@ucsd.edu

pettitda@rosevc.rose-hulman.edu writes:

>Does anyone have or know where I can get a 440 MHz plug for the Bird wattmeter?
>
>Dave

Amateur Electronic Supply or Ham Radio Outlet should have them... but they are new and you pay for new oats.

There should also be lots of this kind of stuff at Dayton, if you can wait, put up with the parking, and so on.

Date: 15 Feb 1994 09:35:50 -0600
From: newshub.nosc.mil!ihnp4.ucsd.edu!sdd.hp.com!sgiblab!swrinde!cs.utexas.edu!
howland.reston.ans.net!torn!nott!bnrgate!corpgate!crchh327.bnr.ca!crchh620.bnr.ca!
not-for-mail@network.ucsd.edu
Subject: Pkt satellite receiver card for PC?
To: ham-equip@ucsd.edu

[Q 1]:

I would like to know if there is an ISA-bus card which acts as a satellite receiver that I can plug into my PC. My "project" involves a satellite dish with coax cable receiving a packet RF transmission which I would like to run into my PC for decoding. The data would then be displayed under Windows3.1/NT/whatever.

[Q 2]:

What are Phil Karn's KA9q C functions?

If my questions don't make sense it's because I'm new to this and don't know much about packet radio.

Thanks

Allen Willson | BNR claims no responsibility
allenw@bnr.ca | for my rambling.
Bell-Northern Research, Ltd. |

Date: Tue, 15 Feb 1994 15:53:26 GMT
From: gulfaero.com!vixen.cso.uiuc.edu!howland.reston.ans.net!usenet.ins.cwru.edu!
news.ecn.bgu.edu!psuvax1!ukma!rsg1.er.usgs.gov!dgg.cr.usgs.gov!
bodoh@network.ucsd.edu
Subject: Remote cable for TM732

To: ham-equip@ucsd.edu

Has anyone built their own remote cable for their Kenwood TM732 or 741? I have a hard time forking out \$50+ for a piece of wire that should be included with the radio in the first place. Thanks...

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+++++
+ Tom Bodoh - Sr. systems software engineer, Hughes STX, N0YGT          +
+ USGS/EROS Data Center, Sioux Falls, SD, USA 57198      (605) 594-6830  +
+ Internet; bodoh@dgg.cr.usgs.gov (152.61.192.66)        +
+ "Welcome back my friends to the show that never ends!" EL&P          +
+++++
```

Date: 16 Feb 1994 00:23:23 GMT
From: pagesat.net!olivea!charnel!yeshua.marcam.com!news.kei.com!eff!
usenet.ins.cwru.edu!howland.reston.ans.net!math.ohio-state.edu!
hobbes.physics.uiowa.edu!news.uiowa.edu!franklin.@news.cerf.net
Subject: rotator ???
To: ham-equip@ucsd.edu

I wonder if your rotor isn't just an induction motor that has a run capacitor which determines the direction and a small gear train to reduce speed and increase torque. Syncro's have little torque not enough to turn an antenna. The cost of these were quite high. Most rotors had some other type of system to get direction. One used a set of contacts that made and broke with motor rotation. Kinda like a KERCHUNK sound at the indicator end when the rotor was turning.

The other had a variable resistor mounted in the rotor and sent back some signal to a meter in the control. Radio Shack had another type that had a synchronous motor in the control unit which moved a direction disk at the same rate as the motor on the antenna.

Most all of these motors were run on 24 vac. (the stepdown transformer in the control unit 120 to 24vac). This let you use low voltage wire and not run into complications with the 120vac line voltage. The capacitor in the control unit is an A.C. motor run capacitor. If it gets weak the rotor torque goes way down.

Hope some of this was of help

73s John WA0VYZ

Date: Mon, 14 Feb 1994 11:10:02 GMT
From: korie1!sh.wide!wnoc-tyo-news!hitwide!hinocgw!hperlgw2!tamoto@ames.arpa
Subject: th77a
To: ham-equip@ucsd.edu

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End of Ham-Equip Digest V94 #34
